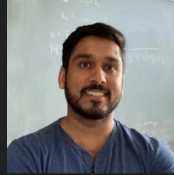


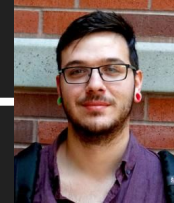
UO - Farr Group



— Zoheyr Doctor



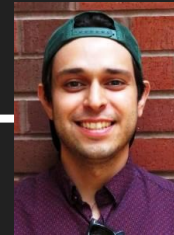
Bruce Edelman —



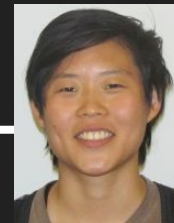
— JD Merritt



Gino Carrillo —



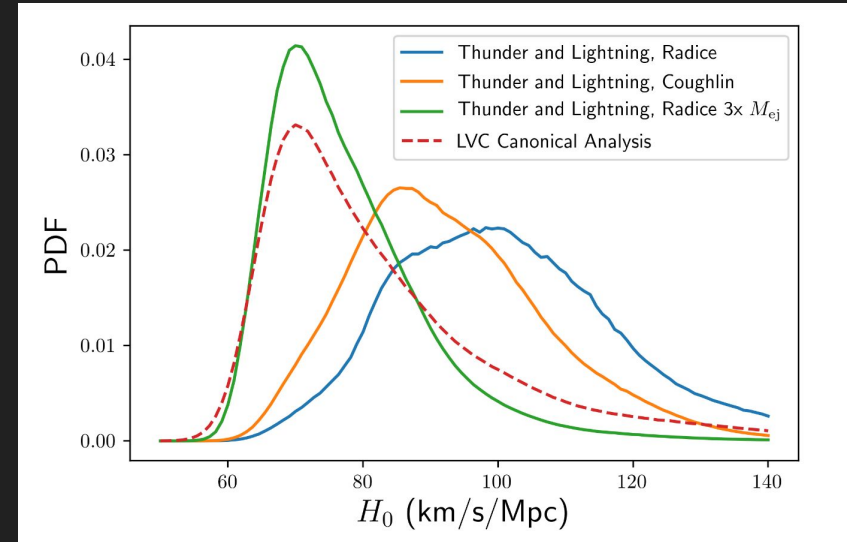
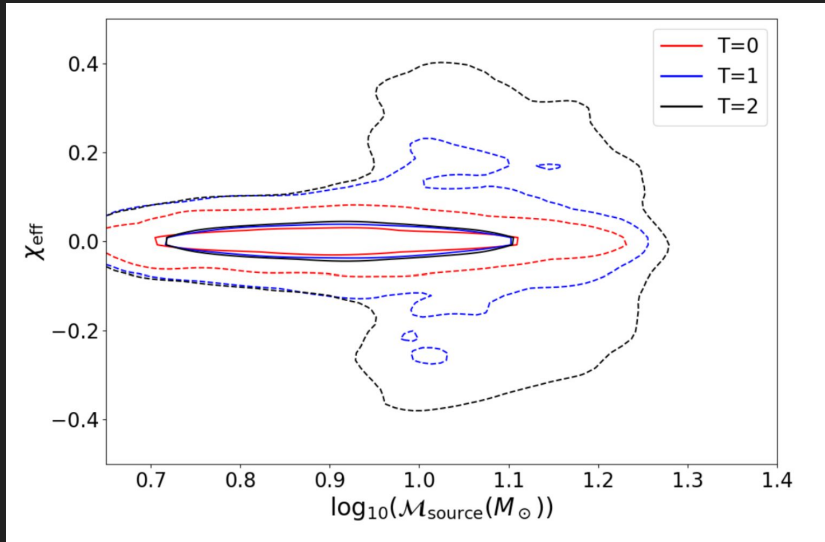
— Sangeet Paul



— Rachel Hur

Black Hole Coagulation: Modeling Hierarchical Mergers in Black Hole Populations

Zoheyr *et al* 2020 *ApJ* 893 35



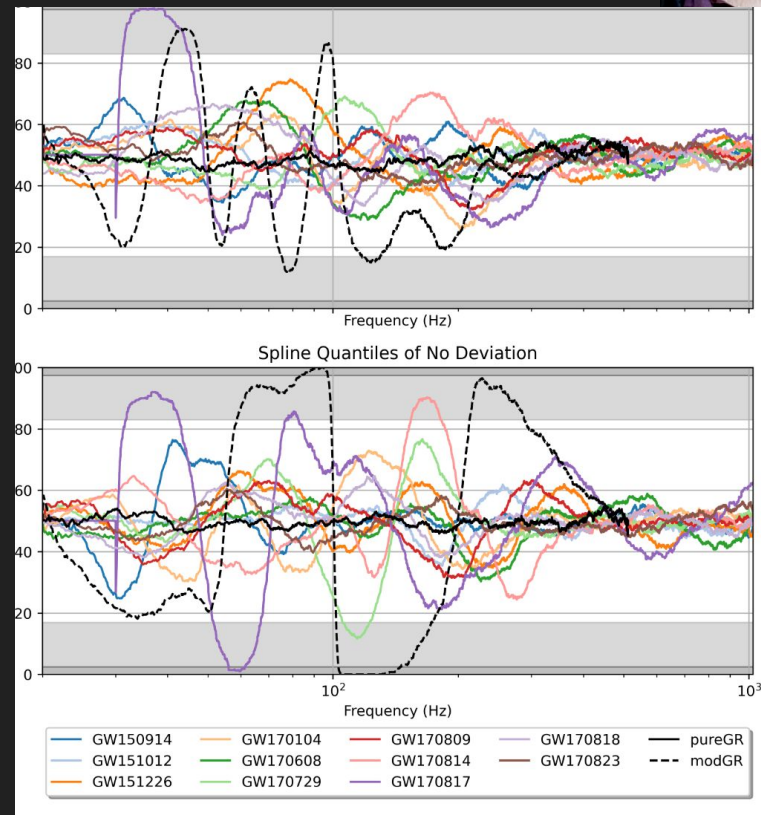
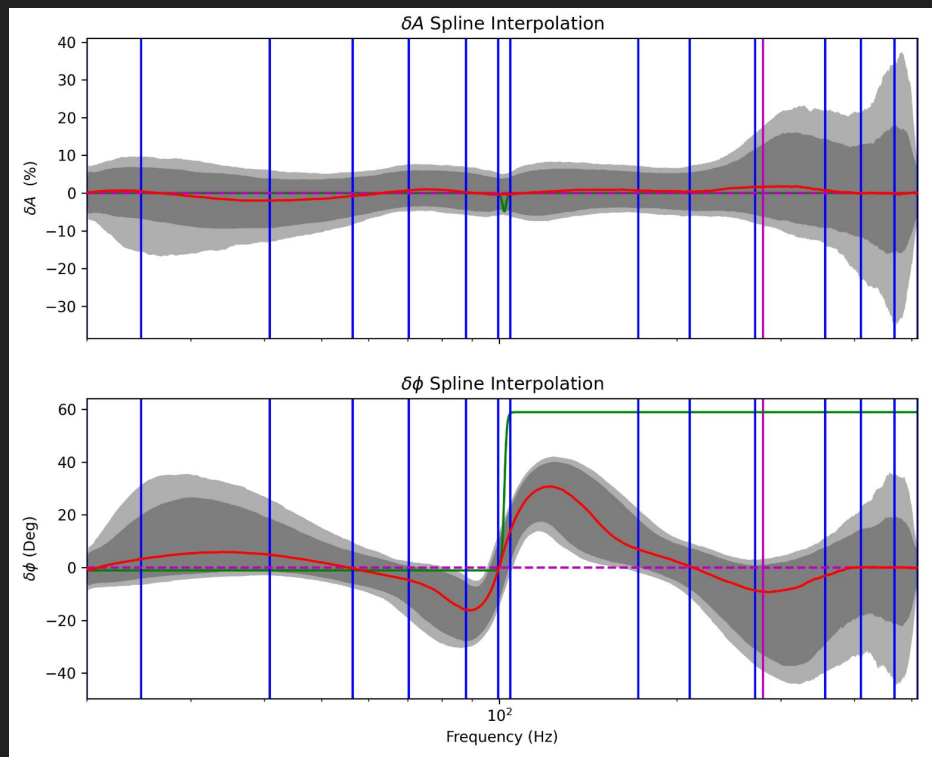
Zoheyr 2020 *ApJL* 892 L16



Thunder and Lightning:
Using Neutron-Star Mergers as Simultaneous Standard Candles and Sirens to Measure Cosmological Parameters

Constraining Model Deviations w/ Splines

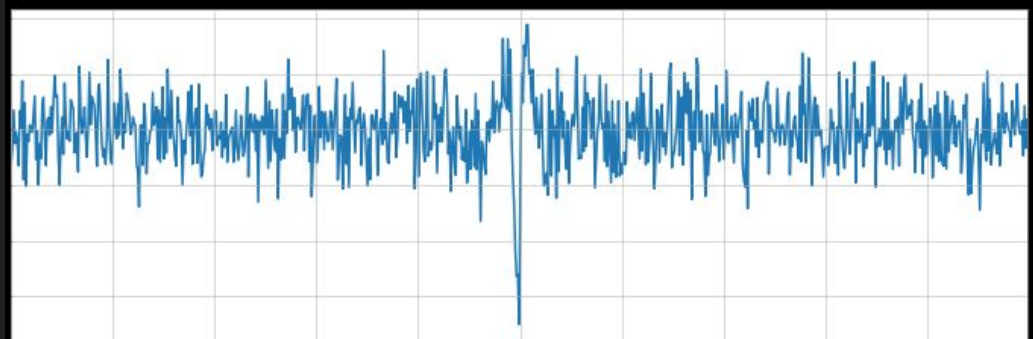
Bruce *et al.*



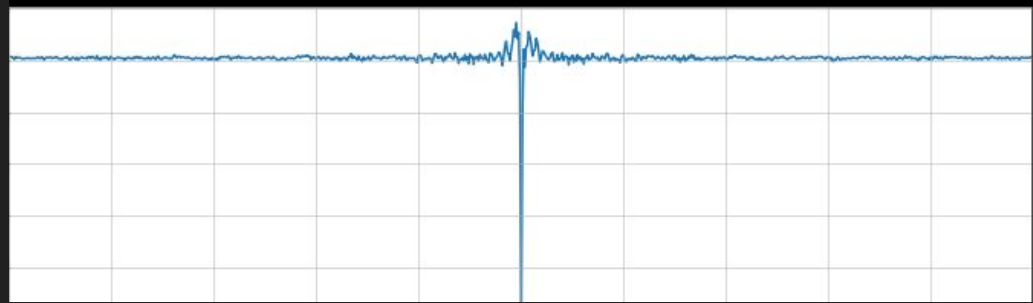
Empirical Glitch Modeling

JD et al.

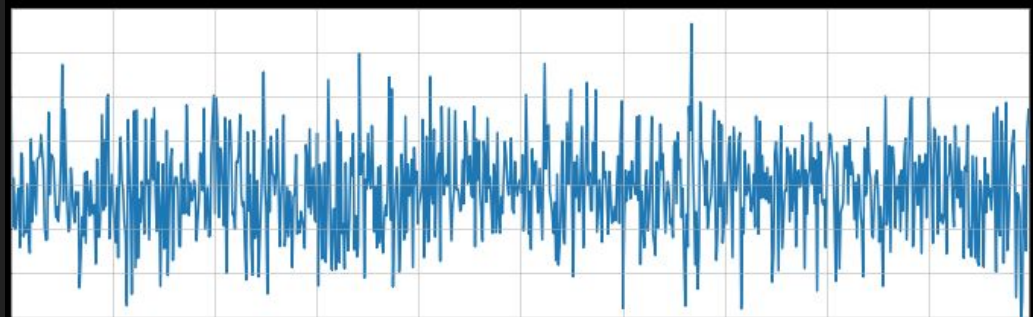
data



model



residuals



New Projects

Sangeet On-source PSD modeling

Gino Multi-messenger Compact Binary Characterization

Rachel Hamiltonian Monte Carlo sine Gaussian modeling